



10 TONNE BENCH TYPE HYDRAULIC PRESS

MODEL NO: YK10B.V5

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear a face shield



Wear safety footwear



Wear protective gloves



Wear protective clothing



Warning!
Crushing of hands

1. SAFETY

- ✓ Familiarise yourself with the applications, limitations and hazards of the press.
- ✓ Maintain the press in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Keep the press clean for best and safest performance.
- ✓ Locate the press in an adequate working area for its function, keep area clean and tidy and free from unrelated materials and ensure there is adequate lighting.
- ✓ Ensure the workpiece is correctly secured before operating the press.
- ✓ Ensure that all fittings are tight before each use.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, other loose jewellery and contain long hair.
- ✓ Keep hands and body clear of the table when operating the press.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Securely attach the press to a flat, firm, level surface capable of supporting the weight of press and any workpiece taking into account clearance for workpieces.
- ✓ When not in use, release pressure from the hydraulic unit and clean the press. Stand or store the arbor plates in a safe location.
- ✗ **DO NOT** operate the press if any parts are missing as this may cause failure and/or possible personal injury.
- ✗ **DO NOT** use the press for a task it is not designed to perform.
- ✗ **DO NOT** make any modifications to the press.
- ✗ **DO NOT** exceed the rated capacity of the press.
- ✗ **DO NOT** apply off-centre loads.
- ✗ **DO NOT** allow the workpiece or the arbor plates to fall from the table.
- ✗ **DO NOT** get the press wet or use in damp or wet locations or areas where there is condensation.
- ✗ **DO NOT** operate the press when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** climb upon the press.
- ✗ **DO NOT** use the press to compress a spring or any other item that could disengage and cause a potential hazard including personal injury.
- ✗ **DO NOT** stand directly in front of a loaded press and never leave a loaded press unattended.
- ✗ **DO NOT** allow untrained persons to operate the press.
- **WARNING!** Always wear approved eye or face protection when operating the press. A full range of personal safety equipment is available from your Sealey stockist.
- **WARNING: DO NOT** top up hydraulic unit with brake fluid, or any other fluid other than a good quality hydraulic oil (Sealey Part Number: HJO500MLS/HJO5LS) as this may cause serious damage to the hydraulic unit and will invalidate the warranty.
- **WARNING!** Always position the press against a wall. If the press is situated in the open workshop, it is essential that a guard be placed at the rear of the unit. This will prevent injury to bystanders in the event of the work piece ejecting suddenly.
- **WARNING!** The warnings, cautions and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied by the operator. Ensure a safe working space of at least a metre exists around the installed unit.
- ▲ **DANGER!** The press is top heavy. If it requires moving after assembly or for relocation, use suitable slings around the top crossbeam and ensure the unit is well balanced, or lift direct with a forklift with the forks located under the top crossbeam. **DO NOT** use a pallet truck.

2. INTRODUCTION

Made from high quality steel with a powder coated paint finish to help corrosion resistance. The hydraulics can be used for other purposes when the press is not in use. Two flat table plates. With gauge.

- ▲ **DANGER!** Models are purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece and press tools are secured on the table and will not flex or suddenly "give way" causing danger to operator or the component.

3. SPECIFICATION

Model No:..... YK10B.V5
Capacity:..... 10 Tonne
Lateral Ram Travel:.....0mm (No Move)
Maximum Height - Ram to Table: 305mm
Minimum Height - Ram to Table: 135mm
Overall Height: 1020mm
Overall Width: 590mm
Ram Diameter:..... Ø38mm

Ram Stroke:..... 130mm
Table Aperture:..... 120mm
Type: Hydraulic
Working Table Depth: 120mm
Working Table Width: 500mm
Operating Table Width:..... 340mm
Nett Weight: 47.0 kg
Hydraulic Fluid Volume: 0.5L

4. ASSEMBLY

Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately. Take care to ensure safety when removing main frame from packing as the unit is very heavy. Seek assistance of another person on assembly.

REFER TO ATTACHED PARTS LIST

- 4.1. Identify and lay out parts.
 - 4.2. Bolt the base supports (#11) to the bottom of the pre-assembled main frame using fixings no.s 7, 8, 9, 10.
 - 4.3. Locate and tighten the ram assembly (#18) to the top plate of the frame. Attach cylinder ring nut (#2) to the lower threaded portion of ram assembly and tighten. Tighten the support plate securing bolts.
 - 4.4. Bolt the pump (#13) through the frame using fixings #7, 8, 10). There is a choice of left or right attachment, assemble the plate according to your operational requirement. Screw in the pumping handle (#14).
- 4.5. PRESSURE GAUGE**
- 4.5.1. Remove the dust cap hex bolt from the top of the ram assembly (#18) and screw the pressure gauge (#17) in until tight.
* **DO NOT** over-tighten.
 - 4.5.2. Remove the plastic safety bung from the ends of the hose assembly (#16) and connect the hose to the ram inlet valve and pump outlet hole.
- 4.6. Insert the table support pins (#5) through the holes in the main frame. Fit retaining clips (#6) onto support pins. Taking firm hold of the table, tip it into a diagonal position so that it can be introduced between the mainframe uprights and carefully lower it back to a horizontal position to rest on the support pins.
- WARNING!** Take care not to allow the working table to drop onto the pins and ensure your hands and fingers are clear of the working table when lowering.

5. INSTALLATION

5.1. TRANSPORT

- WARNING!** Always use the assistance of another person when assembling the press.
- WARNING!** When installing, lifting or moving the press, attach lifting means to areas as shown in fig.1.
- 5.1.1. Move the press to the mounting location and spot mark through fixing holes in the frame (#2) onto the bench.
 - 5.1.2. Check for any hidden wiring or cables, if needed change the location for the holes.
 - 5.1.3. Temporarily move the press to the side.

5.2. SECURE THE PRESS TO A BENCH

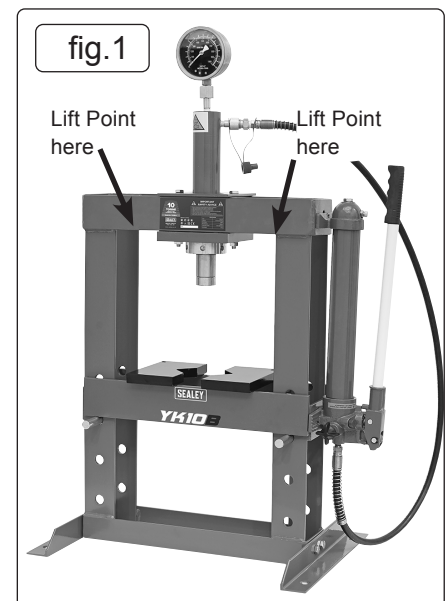
- 5.2.1. Use a masonry drill bit to drill the four holes about 3" to 4" deep into the concrete or wood, as necessary.
 - 5.2.2. Clean out the drilled holes.
 - 5.2.3. Position the press and align the holes in the base section with the holes in the bench.
 - 5.2.4. Use four concrete anchor bolts or lag bolts for wood, (not included), to secure to the bench.
- NOTE:** This press needs to be securely mounted to a bench of either concrete or wood, capable of supporting the weight of the press and any workpiece during operation.
- WARNING!** To prevent serious injury **DO NOT** use damaged equipment. If abnormal noise or vibration occurs have the problem corrected.

5.3. BEFORE FIRST USE

- 5.3.1. Before operating the press, purge the hydraulic system in order to eliminate any air that may have built up during transit. Open the release valve (#12) and pump the handle several times and then close the release valve. Should the system malfunction at any time, repeating this process may resolve the problem.
- ▲ **DANGER!** Models are purpose designed to withstand greater loads than the hydraulic units can develop. For safety reasons, always ensure the workpiece and press tools are secured on the table and will not flex or suddenly "give way" causing danger to operator or the component. Also ensure you have read and understood section safety instructions

6. OPERATION

- 6.1. Check that the hydraulic unit is fully closed ready for operating.
- 6.2. Position the working table at the required operating height by inserting the support pins into the appropriate holes in the main frame.
- 6.3. Position the arbor plates (#3) or press tools to be used onto the work table and align beneath the ram. Place workpiece onto the work table or arbors and align beneath the ram as required. **NOTE:** Care must be taken to ensure an arbor does not fall from the press work table if necessary hold the configuration in position with clamps.
- 6.4. Operate the pump slowly until the ram is close to or just touching the workpiece. Before applying real pressure to the workpiece recheck the alignment with the ram and ensure that the workpiece and press tools are supported in such a way that they cannot flex to breaking point. **DO NOT** exceed the stroke indicated on the label or the red mark on the piston and **DO NOT** apply off centre loads.
- 6.5. **NOTE:** If a trapping should occur, open the release valve (#12) on the pump assembly (#13)
- 6.6. When work is complete release the pressure using the knob with four lugs and the piston and the ram head will retract automatically.
NOTE: Always keep the piston retracted after use to avoid corrosion.
NOTE: Firefighting procedure/equipment should be in accordance with the Materials Safety Data Sheet (on line).



NOTE: Refer to Materials Safety Data Sheet (on line) for hydraulic fluid characteristics.

NOTE: Maintenance and repair must only be carried out by qualified persons. Contact your Sealey stockist for details.

- 6.7. Check all fittings are tight before each use.
- 6.8. Lubricate all moving parts at regular intervals.
- 6.9. Always keep the press clean, dry, and protected from harsh conditions.
- 6.10. Should you need to replace the oil, ensure the piston is fully retracted. An excess of oil will render the press inoperative.
- 6.11. Use only appropriate Sealey hydraulic jack oil. **DO NOT** use brake fluid. Contact your local Sealey stockist for details. Purge the system to remove any air.
- 6.12. Check your model parts information for spares. Repair kits are also available.

7. MAINTENANCE

NOTE: Maintenance and repair must only be carried out by qualified person. Contact your Sealey stockist for details.

7.1. MAINTENANCE SCHEDULE (BEFORE EACH USE)

- 7.1.1. Check for any visible damage on the machine and all parts.
- 7.1.2. Check for hydraulic fluid leaks on and around the machine itself, especially the hoses and couplings.
- 7.1.3. Make sure there is no rust visible on the ram assembly.
- 7.1.4. Make sure the gauge is not damaged or leaking.
- 7.1.5. Check the hydraulic fluid level.
- 7.1.6. Make sure the release valve is working correctly.
- 7.2. When the press is not in use, the hydraulic unit ram must be fully retracted to minimise corrosion. Remove the handle to inactivate the press.
- 7.3. Lubricate all moving parts at regular intervals.
- 7.4. Storage: Always keep the press clean, dry, and protected from harsh conditions.
- 7.5. Should you need to replace the oil, ensure the hydraulic unit ram is fully retracted. An excess of oil will render the press inoperative. Use only appropriate Sealey hydraulic jack oil (Sealey Part Number: HJO500MLS/HJO5LS). **DO NOT** use brake fluid. Purge the system to remove any air.
- 7.6. Check your model parts information for spares.

7.7. DE-COMMISSIONING PRODUCT

Should the product become completely unserviceable and require disposal, draw off the oil into an approved container and dispose of the product and the oil according to local regulations.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE MACHINE.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK.

DO NOT RETURN PRODUCT TO US. Please telephone us on 01284 757500 to obtain the address and phone number of your local agent. If product is under guarantee please contact your stockist.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR PURCHASE HERE

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



sales@sealey.co.uk



www.sealey.co.uk